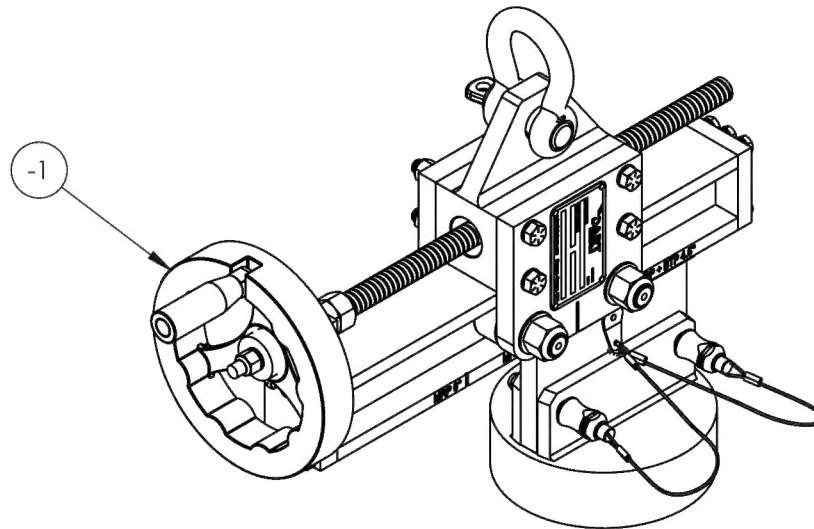


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION	8/3/2016	SM	JAG
2	16-0219	-1 DELETED -13, -15, -21, -23, -25, -27 FROM ASSEMBLY. -3 CH'D NOTE WAS FILL ALL ENGRAVINGS W/ BLACK INK AFTER PLATING IS FILL ALL ENGRAVINGS W/ RED PAINT AFTER PLATING. -5 CORRECTED ENGRAVING. -7 CH'D DIM WAS Ø.095-.098 IS Ø.086. -9 DELETED DIMS 2X 5.510, 2X 2.755. CH'D DIMS WAS M130x2 - 6H IS M130x4 - 6H. ADDED DIMS THREAD RELIEF, 35°, 55°, Ø5.51. -11 CH'D DIM WAS (1.19) IS (1.17). -13, -15, -21, -23, -25, -27 DELETED FROM BOM. -33 CH'D QTY WAS 2 IS 5. CH'D B/O REF WAS #2 X 1/8 (#90081A074) IS #2 X 1/4 (#90081A077). -35 CH'D QTY WAS 2 IS 1. -37 CH'D QTY WAS 3 IS 2. -39 CH'D QTY WAS 6 IS 4.	11/16/2016	DPD	JAG



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	1				SLING BLOCK/CRANK ASSY		RBEM622U1005103-9	2
	X		-1	1	SLING ASSY			2
X	1		-3		BEAM WELDMENT			3
1			-5		BEAM	1018/1020 CR		4
1			-7		BEAM MOUNT BAR	1018/1020 CR		5
	1		-9		FLANGE	4140/4142		6
	1	B/O	-11		EMBLEM	VINYL, BLACK	BLACK CUT VINYL (SIGNS NOW)	7
	12	B/O	-17		HEX HEAD CAP SCREW	STEEL GRD 8	1/4-28 X 1 (MCMASTER-CARR #92620A564)	2
	12	B/O	-19		FLAT WASHER	STEEL	Ø1/4 (MCMASTER-CARR #95229A430)	2
	1	B/O	-29		SCREW PIN SHACKLE	S.S.	Ø3/4 PIN 2 TON (MCMASTER-CARR #3583T16)	2
	2	B/O	-31		QUICK RELEASE PIN	S.S.	ØM12 X 40mm USABLE (MCMASTER-CARR #93871A810)	2
	5	B/O	-33		#2 DRIVE SCREW	STEEL	#2 X 1/4 (MCMASTER-CARR #90081A077)	2
	1	B/O	-35		CABLE TAB	ALUMINUM	(CARR LANE CL-129-TAB-A)	2
	2	B/O	-37		LANYARD	COATED STEEL	Ø1/16 X 10 (CARR LANE #CL-2-C)	N/S
	4	B/O	-39		FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	N/S
	1	B/O			DART PLACARD	ALUMINUM	RB41011	2
ASSY -3	ASSY -1							

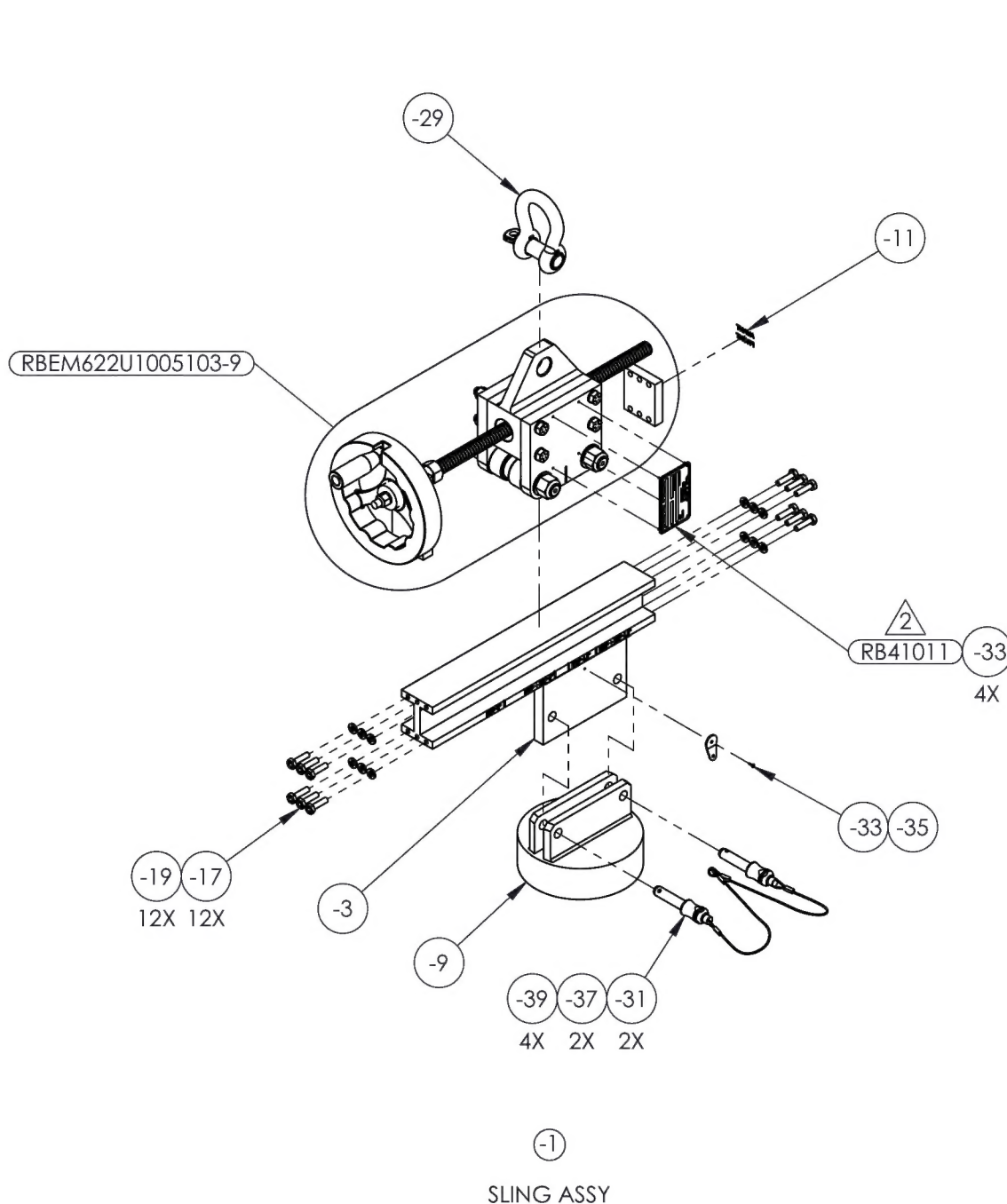
NOTE:  
REF. AIRBUS T/N M625V1000102.



TITLE	
MGB / MRM SLING	
DWG NO.	REV
RBEM625V1000102	2
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	
H175	
SCALE	DATE
1:5	5/16/2016
SHEET 1 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0219	-1 DELETED -13, -15, -21, -23, -25, -27 FROM ASSEMBLY. CH'D QTY'S -33 WAS 2 IS 5, -35 WAS 2 IS 1, -37 WAS 3 IS 2, -39 WAS 6 IS 4.	11/16/2016	DPD	JAG



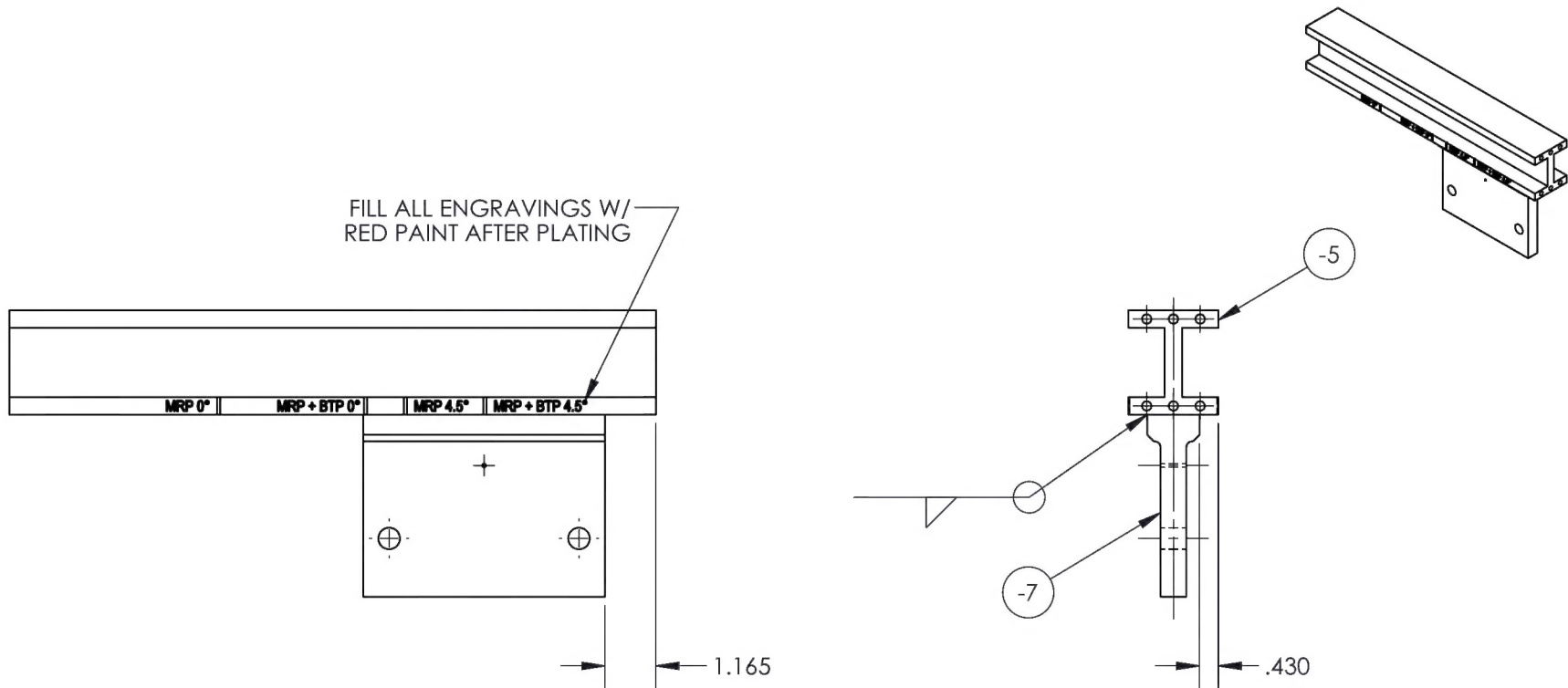
# NOTES:

- REF. AIRBUS T/N M625V1000102.
- ENGRAVE "MAX WORKING LOAD 660KG".

<b>DART AEROSPACE</b>	
TITLE <b>MGB / MRM SLING</b>	
DWG NO. <b>RBEM625V1000102-1</b>	REV <b>2</b>
MAT'L _____ HEAT _____ TREAT _____ FINISH _____ SPEC _____	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: <b>CLOUGH</b>	USED ON MODEL
CHECKED: <b>MACKOVJAK</b>	<b>H175</b>
OPPS APPR: <b>ANDERSON</b>	
QA APPR: <b>LINDSAY</b>	
APPROVED: <b>GILBERT</b>	
SCALE <b>1:8</b>	DATE <b>5/16/2016</b>
SHEET 2 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0219	-3 CH'D NOTE WAS FILL ALL ENGRAVINGS W/ BLACK INK AFTER PLATING IS FILL ALL ENGRAVINGS W/ RED PAINT AFTER PLATING.	11/16/2016	DPD	JAG

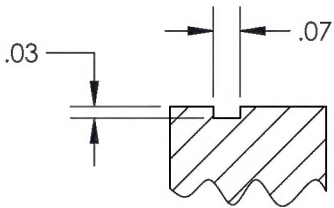


(-3)  
BEAM WELDMENT

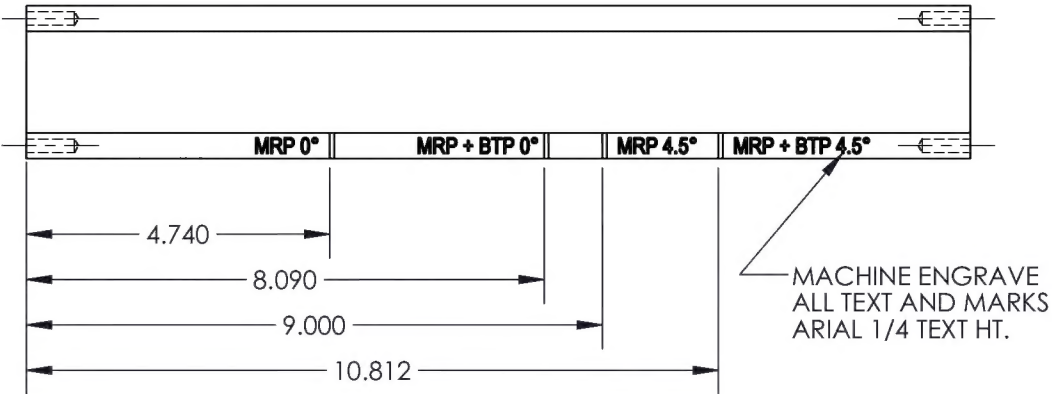
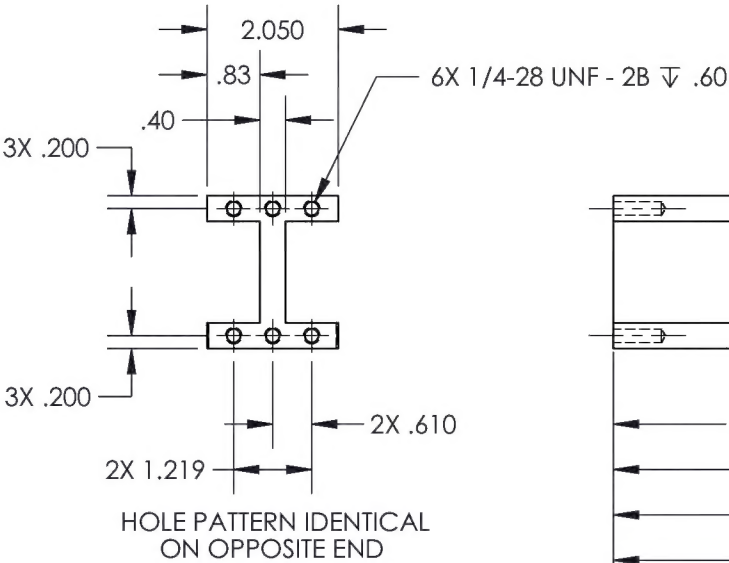
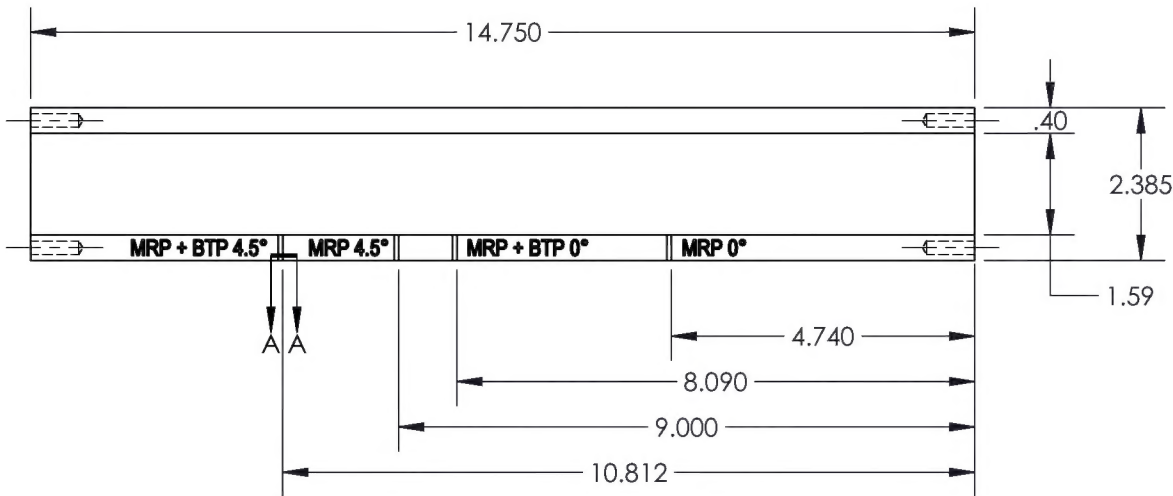
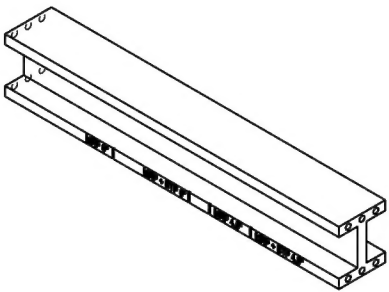
<b>DART AEROSPACE</b>	
TITLE MGB / MRM SLING	
DWG NO. RBEM625V1000102-3	REV 2
MAT'L TREAT FINISH ZINC PLATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
SPEC ASTM B633 TYPE I SC 2	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: MACKOVJAK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:4	DATE 5/16/2016
SHEET 3 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0219	-5 CORRECTED ENGRAVING.	11/16/2016	DPD	JAG



SECTION A-A  
SCALE 2 : 1  
8 PLACES



NOTE:  
ALL TEXT HIDDEN LINES REMOVED FOR CLARITY.



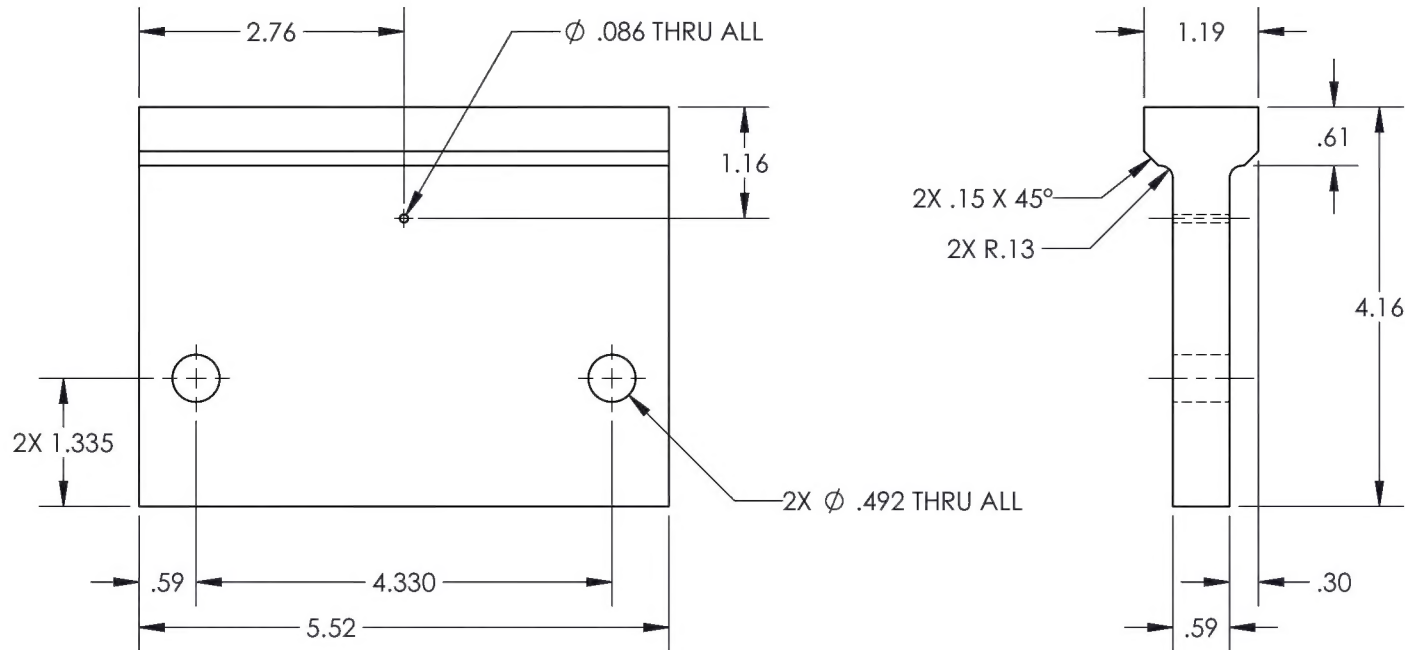
TITLE			
MGB / MRM SLING			
DWG NO.			REV
RBEM625V1000102-5			2
MAT'L 1018/1020 CR		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH SEE -3		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY: CLOUGH		.X ± .1 SURFACES = 125/	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:3		3. INTERPRET DIM AND TOL PER	
DATE 5/16/2016		ASME Y14.5M-2009	
SHEET 4 OF 8		USED ON MODEL	
		H175	

⑤

BEAM

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0219	-7 CH'D DIM WAS Ø.095-.098 IS Ø.086.	11/16/2016	DPD	JAG



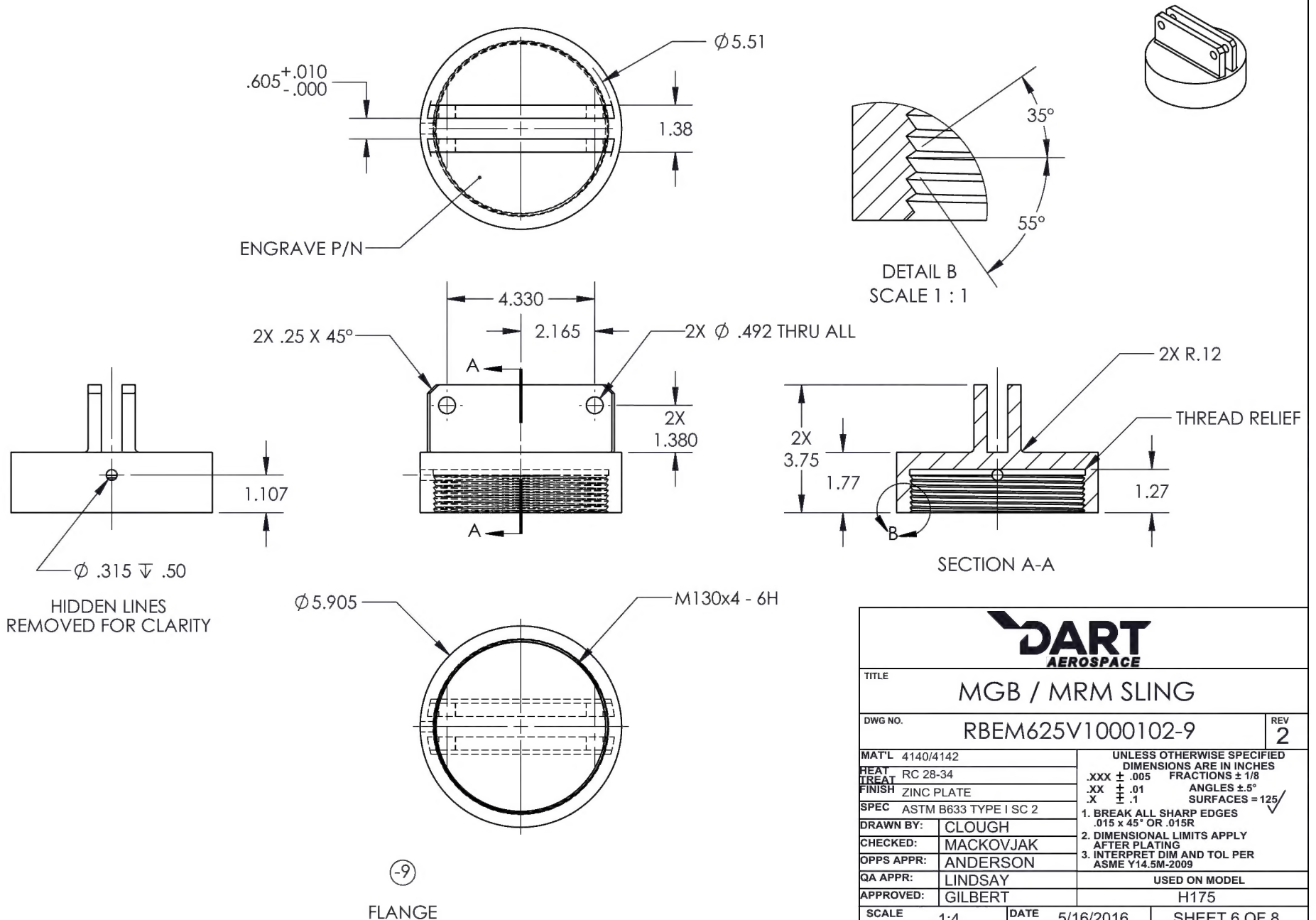
(-7)  
BEAM MOUNT BAR

<b>DART AEROSPACE</b>	
TITLE <b>MGB / MRM SLING</b>	
DWG NO. <b>RBEM625V1000102-7</b>	REV <b>2</b>
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -3	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
DRAWN BY: CLOUGH	.X ± .1 SURFACES = 125° ✓
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 5/16/2016	USED ON MODEL
SHEET 5 OF 8	H175



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0219	-9 DELETED DIMS 2X 5.510, 2X 2.755. CH'D DIMS WAS M130x2 - 6H IS M130x4 - 6H. ADDED DIMS THREAD RELIEF, 35°, 55°, Ø5.51.	11/16/2016	DPD	JAG

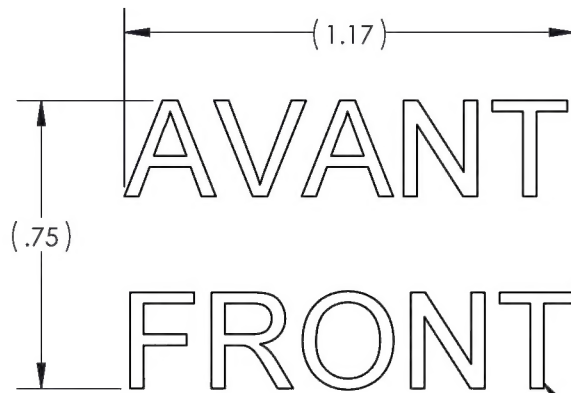


DART AEROSPACE			
TITLE MGB / MRM SLING			
DWG NO. RBEM625V1000102-9			REV 2
MAT'L 4140/4142		UNLESS OTHERWISE SPECIFIED	
HEAT RC 28-34		DIMENSIONS ARE IN INCHES	
FINISH ZINC PLATE		.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8	
SPEC ASTM B633 TYPE I SC 2		.XX $\pm$ .01 ANGLES $\pm$ 5°	
DRAWN BY: CLOUGH		.X $\pm$ .1 SURFACES = 125	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:4		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DATE 5/16/2016		USED ON MODEL	
SHEET 6 OF 8		H175	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0219	-11 CH'D DIM WAS (1.19) IS (1.17).	11/16/2016	DPD	JAG

AVANT  
FRONT

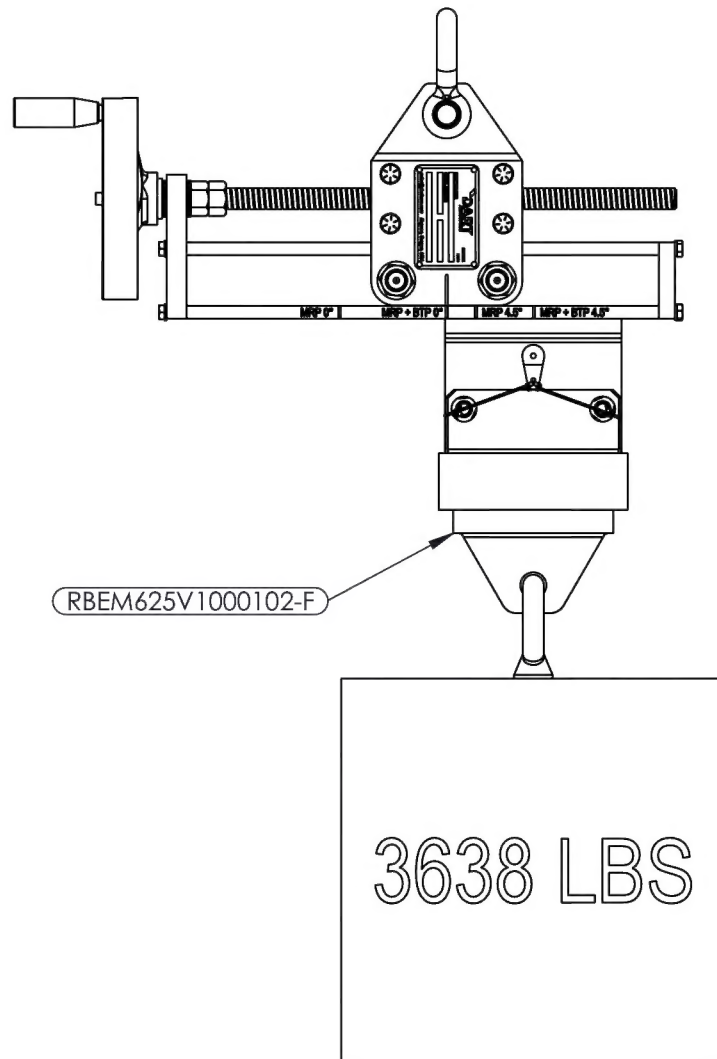


ARIAL 1/4 HT. TEXT

(-11)  
EMBLEM

<b>DART AEROSPACE</b>	
TITLE MGB / MRM SLING	
DWG NO. RBEM625V1000102-11	REV 2
MAT'L VINYL, BLACK	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 5/16/2016
	SHEET 7 OF 8

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INSPECTION & TESTING PROCEDURES FOR THE  
RBEM625V1000102 MAIN ROTOR HEAD SLING. INSPECT THIS  
ASSEMBLY BEFORE EACH USE.

REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED  
OF DAMAGE BEFORE USING!

#### FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, ATTACH SLING ASSEMBLY TO AN OVERHEAD LIFTING DEVICE.
2. ATTACH SLING TO AN APPROPRIATE TEST WEIGHT OF 3638 LBS. ADJUST THE POSITION OF THE SLING IF NECESSARY TO ENSURE THAT THE SLING REMAINS LEVEL.
3. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
4. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: \_\_\_\_\_

TESTER: \_\_\_\_\_

S/N: \_\_\_\_\_

DATE: \_\_\_\_\_



190 S. Danebo Ave., Eugene, OR. 97402  
1-800-556-4166  
e-mail: sales@dartaero.com  
dartaerospace.com

TITLE			
MGB / MRM SLING			
DWG NO.	RBEM625V1000102	REV	2
SCALE	1:6	DATE	5/16/2016
CUSTOMER 1 OF 1		SHEET 8 OF 8	